RAW SEQUENCE LISTING ERROR REPORT
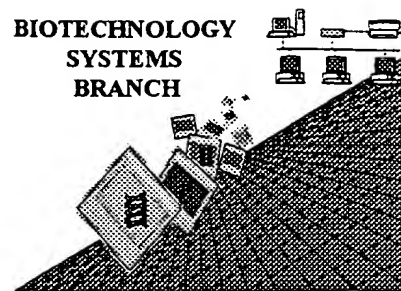
The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: _09/115,832_

Art Unit / Team No. : _01PE_

Date Processed by STIC: _7/21/98_

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

ARTI SHAH 703-308-4212

OIPE

This Raw Listing contains the General Information
Section and up to first 5 pages.

see pp.3,6,7
Does Not Comply
Corrected Diskette Needed
new format

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 1    <110> APPLICANT: Ebner et al.
 2    <120> TITLE OF INVENTION: Interleukin-20
 3    <130> FILE REFERENCE: PF399
 4    <140> CURRENT APPLICATION NUMBER: US/09/115,832
 5    <141> CURRENT FILING DATE: 1998-07-15
 6    <150> EARLIER APPLICATION NUMBER: 60/052,870
 7    <151> EARLIER FILING DATE: 1997-07-16
 8    <150> EARLIER APPLICATION NUMBER: 60/060,140
 9    <151> EARLIER FILING DATE: 1997-09-26
10    <160> NUMBER OF SEQ ID NOS: 11
11    <170> SOFTWARE: PatentIn Ver. 2.0
12    <210> SEQ ID NO 1
13    <211> LENGTH: 705
14    <212> TYPE: DNA
15    <213> ORGANISM: Homo sapiens
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17          tccaggcggg cagcagctgc aggctgacct tgcagcttgg cggaatggac tggcctcaca 60
18          acctgctgtt tcttcttacc atttccatct tcctggggct gggccagccc aggagccca 120
19          aaagcaagag gaaggggcaa gggcggcctg ggcccctggc ccctggccct caccaggtgc 180
20          cactggacct ggtgtcacgg atgaaaccgt atgcccgcat ggaggagtat gagaggaaca 240
21          tcgaggagat ggtggcccag ctgaggaaca gctcagagct ggcccagaga aagtgtgagg 300
22          tcaacttgca gctgtggatg tccaacaaga ggagcctgtc tccctggggc tacagcatca 360
23          accacgaccc cagccgtatc cccgtggacc tgccggaggc acggtgcctg tgtctgggct 420
24          gtgtgaaccc cttcaccatg caggaggacc gcagcatggt gagcgtgccg gtgttcagcc 480
25          aggttcctgt gcgccgccgc ctctgcccgc caccgccccg cacagggcct tgccgccagc 540
26          gcgcagtcat ggagaccatc gctgtgggct gcacctgcat cttctgaatt acctggccca 600
27          gaagccaggc cagcagcccg agaccatcct ccttgcacct ttgtgccaag aaaggcctat 660
28          gaaaagtaaa cactgacttt tgaaagcaaa aaaaaaaaa aaaaa           705
29    <210> SEQ ID NO 2
30    <211> LENGTH: 180
31    <212> TYPE: PRT
32    <213> ORGANISM: Homo sapiens
33    <400> SEQUENCE: 2
34          Met Asp Trp Pro His Asn Leu Leu Phe Leu Leu Thr Ile Ser Ile Phe
35           1               5                   10                  15
36          Leu Gly Leu Gly Gln Pro Arg Ser Pro Lys Ser Lys Arg Lys Gly Gln
37                          20                  25                  30
38          Gly Arg Pro Gly Pro Leu Ala Pro Gly Pro His Gln Val Pro Leu Asp
39                      35                  40                  45
40          Leu Val Ser Arg Met Lys Pro Tyr Ala Arg Met Glu Glu Tyr Glu Arg
41                  50                  55                  60
42          Asn Ile Glu Glu Met Val Ala Gln Leu Arg Asn Ser Ser Glu Leu Ala
43           65                  70                  75                  80
44          Gln Arg Lys Cys Glu Val Asn Leu Gln Leu Trp Met Ser Asn Lys Arg
```

```
45                          100                 105                 110
46         Pro Val Asp Leu Pro Glu Ala Arg Cys Leu Cys Leu Gly Cys Val Asn
47                 115                 120                 125
48         Pro Phe Thr Met Gln Glu Asp Arg Ser Met Val Ser Val Pro Val Phe
49             130                 135                 140
50         Ser Gln Val Pro Val Arg Arg Arg Leu Cys Pro Pro Pro Arg Thr
51         145                 150                 155                 160
52         Gly Pro Cys Arg Gln Arg Ala Val Met Glu Thr Ile Ala Val Gly Cys
53                     165                 170                 175
54         Thr Cys Ile Phe
55                     180
56    <210> SEQ ID NO 3
57    <211> LENGTH: 155
58    <212> TYPE: PRT
59    <213> ORGANISM: Homo sapiens
60    <400> SEQUENCE: 3
61         Met Thr Pro Gly Lys Thr Ser Leu Val Ser Leu Leu Leu Leu Leu Ser
62             1               5                  10                  15
63         Leu Glu Ala Ile Val Lys Ala Gly Ile Thr Ile Pro Arg Asn Pro Gly
64                     20                  25                  30
65         Cys Pro Asn Ser Glu Asp Lys Asn Phe Pro Arg Thr Val Met Val Asn
66                 35                  40                  45
67         Leu Asn Ile His Asn Arg Asn Thr Asn Thr Asn Pro Lys Arg Ser Ser
68             50                  55                  60
69         Asp Tyr Tyr Asn Arg Ser Thr Ser Pro Trp Asn Leu His Arg Asn Glu
70         65                  70                  75                  80
71         Asp Pro Glu Arg Tyr Pro Ser Val Ile Trp Glu Ala Lys Cys Arg His
72                     85                  90                  95
73         Leu Gly Cys Ile Asn Ala Asp Gly Asn Val Asp Tyr His Met Asn Ser
74                     100                 105                 110
75         Val Pro Ile Gln Gln Glu Ile Leu Val Leu Arg Arg Glu Pro Pro His
76             115                 120                 125
77         Cys Pro Asn Ser Phe Arg Leu Glu Lys Ile Leu Val Ser Val Gly Cys
78             130                 135                 140
79         Thr Cys Val Thr Pro Ile Val His His Val Ala
80         145                 150                 155
81    <210> SEQ ID NO 4
82    <211> LENGTH: 498
83    <212> TYPE: DNA
84    <213> ORGANISM: Homo sapiens
85    <220> FEATURE:
86    <221> NAME/KEY: misc_feature
87    <222> LOCATION: (13)
88    <223> OTHER INFORMATION: n equals a, t, g, or c
89    <220> FEATURE:
90    <221> NAME/KEY: misc_feature
91    <222> LOCATION: (58)
92    <223> OTHER INFORMATION: n equals a, t, g, or c
93    <220> FEATURE:
94    <221> NAME/KEY: misc_feature
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where are <220>-<223> sections for "n" at "173"?   Input Set: **I115832.RAW**

(see page 6)

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 96   <223> OTHER INFORMATION: n equals a, t, g, or c
 97   <220> FEATURE:
 98   <221> NAME/KEY: misc_feature
 99   <222> LOCATION: (213)
100   <223> OTHER INFORMATION: n equals a, t, g, or c
101   <220> FEATURE:
102   <221> NAME/KEY: misc_feature
103   <222> LOCATION: (312)
104   <223> OTHER INFORMATION: n equals a, t, g, or c
105   <220> FEATURE:
106   <221> NAME/KEY: misc_feature
107   <222> LOCATION: (314)
108   <223> OTHER INFORMATION: n equals a, t, g, or c
109   <220> FEATURE:
110   <221> NAME/KEY: misc_feature
111   <222> LOCATION: (323)
112   <223> OTHER INFORMATION: n equals a, t, g, or c
113   <220> FEATURE:
114   <221> NAME/KEY: misc_feature
115   <222> LOCATION: (331)
116   <223> OTHER INFORMATION: n equals a, t, g, or c
117   <220> FEATURE:
118   <221> NAME/KEY: misc_feature
119   <222> LOCATION: (337)
120   <223> OTHER INFORMATION: n equals a, t, g, or c
121   <220> FEATURE:
122   <221> NAME/KEY: misc_difference
123   <222> LOCATION: (340)
124   <223> OTHER INFORMATION: n equals a, t, g, or c
125   <220> FEATURE:
126   <221> NAME/KEY: misc_feature
127   <222> LOCATION: (348)
128   <223> OTHER INFORMATION: n equals a, t, g, or c
129   <220> FEATURE:
130   <221> NAME/KEY: misc_feature
131   <222> LOCATION: (363)
132   <223> OTHER INFORMATION: n equals a, t, g, or c
133   <220> FEATURE:
134   <221> NAME/KEY: misc_feature
135   <222> LOCATION: (365)
136   <223> OTHER INFORMATION: n equals a, t, g, or c
137   <220> FEATURE:
138   <221> NAME/KEY: misc_feature
139   <222> LOCATION: (369)
140   <223> OTHER INFORMATION: n equals a, t, g, or c
141   <220> FEATURE:
142   <221> NAME/KEY: misc_feature
143   <222> LOCATION: (375)..(376)
144   <223> OTHER INFORMATION: n equals a, t, g, or c
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→ "n" is at "288" — needs <220>-<223> section (handwritten annotation at lines 101-104)

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145   <220> FEATURE:
146   <221> NAME/KEY: misc_feature
147   <222> LOCATION: (386)
148   <223> OTHER INFORMATION: n equals a, t, g, or c
149   <220> FEATURE:
150   <221> NAME/KEY: misc_feature
151   <222> LOCATION: (391)
152   <223> OTHER INFORMATION: n equals a, t, g, or c
153   <220> FEATURE:
154   <221> NAME/KEY: misc_feature
155   <222> LOCATION: (393)
156   <223> OTHER INFORMATION: n equals a, t, g, or c
157   <220> FEATURE:
158   <221> NAME/KEY: misc_feature
159   <222> LOCATION: (395)
160   <223> OTHER INFORMATION: n equals a, t, g, or c
161   <220> FEATURE:
162   <221> NAME/KEY: misc_feature
163   <222> LOCATION: (398)
164   <223> OTHER INFORMATION: n equals a, t, g, or c
165   <220> FEATURE:
166   <221> NAME/KEY: misc_feature
167   <222> LOCATION: (403)..(405)
168   <223> OTHER INFORMATION: n equals a, t, g, or c
169   <220> FEATURE:
170   <221> NAME/KEY: misc_feature
171   <222> LOCATION: (407)
172   <223> OTHER INFORMATION: n equals a, t, g, or c
173   <220> FEATURE:
174   <221> NAME/KEY: misc_feature
175   <222> LOCATION: (409)
176   <223> OTHER INFORMATION: n equals a, t, g, or c
177   <220> FEATURE:
178   <221> NAME/KEY: misc_feature
179   <222> LOCATION: (413)
180   <223> OTHER INFORMATION: n equals a, t, g, or c
181   <220> FEATURE:
182   <221> NAME/KEY: misc_feature
183   <222> LOCATION: (415)..(416)
184   <223> OTHER INFORMATION: n equals a, t, g, or c
185   <220> FEATURE:
186   <221> NAME/KEY: misc_feature
187   <222> LOCATION: (420)
188   <223> OTHER INFORMATION: n equals a, t, g, or c
189   <220> FEATURE:
190   <221> NAME/KEY: misc_feature
191   <222> LOCATION: (423)
192   <223> OTHER INFORMATION: n equals a, t, g, or c
193   <220> FEATURE:
194   <221> NAME/KEY: misc_feature
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195    <222> LOCATION: (428)
196    <223> OTHER INFORMATION: n equals a, t, g, or c
197    <220> FEATURE:
198    <221> NAME/KEY: misc_feature
199    <222> LOCATION: (433)
200    <223> OTHER INFORMATION: n equals a, t, g, or c
201    <220> FEATURE:
202    <221> NAME/KEY: misc_feature
203    <222> LOCATION: (435)..(436)
204    <223> OTHER INFORMATION: n equals a, t, g, or c
205    <220> FEATURE:
206    <221> NAME/KEY: misc_feature
207    <222> LOCATION: (440)
208    <223> OTHER INFORMATION: n equals a, t, g, or c
209    <220> FEATURE:
210    <221> NAME/KEY: misc_feature
211    <222> LOCATION: (450)
212    <223> OTHER INFORMATION: n equals a, t, g, or c
213    <220> FEATURE:
214    <221> NAME/KEY: misc_feature
215    <222> LOCATION: (452)..(453)
216    <223> OTHER INFORMATION: n equals a, t, g, or c
217    <220> FEATURE:
218    <221> NAME/KEY: misc_feature
219    <222> LOCATION: (460)
220    <223> OTHER INFORMATION: n equals a, t, g, or c
221    <220> FEATURE:
222    <221> NAME/KEY: misc_feature
223    <222> LOCATION: (465)
224    <223> OTHER INFORMATION: n equals a, t, g, or c
225    <220> FEATURE:
226    <221> NAME/KEY: misc_feature
227    <222> LOCATION: (467)
228    <223> OTHER INFORMATION: n equals a, t, g, or c
229    <220> FEATURE:
230    <221> NAME/KEY: misc_feature
231    <222> LOCATION: (470)
232    <223> OTHER INFORMATION: n equals a, t, g, or c
233    <220> FEATURE:
234    <221> NAME/KEY: misc_feature
235    <222> LOCATION: (475)..(476)
236    <223> OTHER INFORMATION: n equals a, t, g, or c
237    <220> FEATURE:
238    <221> NAME/KEY: misc_difference
239    <222> LOCATION: (490)
240    <223> OTHER INFORMATION: n equals a, t, g, or c
241    <220> FEATURE:
242    <221> NAME/KEY: misc_feature
243    <222> LOCATION: (492)
244    <223> OTHER INFORMATION: n equals a, t, g, or c
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<400> 4
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gactggcctc acaacctgct gtttcttctt accatttcca tcttcctggg gctgggccag 120
cccaggagcc ccaaaagcaa gaggaagggg caagggcggc ctgggcccct ggccctggnc 180
ctcaccaggt gccactggac ctggtgtcac ggntgaaacc gtatgcccgc atggaggagt 240
atgagaggaa catcgaggag atggtggccc agctgaggaa cagctcanag ctgggcccag 300
agaaagtttg angntcaact ttncaagctt ntgggtnttn caacaagnag gtagcctgtt 360
ttncntggng gttannagta tgaatncaag nancncangc gtnnntncng ttngnncttn 420
tcnggagnac gtntnncttn ttttttggn tnnttgaacn ctttnanatn gtagnnggac 480
ctagaattgn tnagggtg                                           498
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Line	?	Error/Warning	Original Text
248	W	"N" or "Xaa" used: Feature required	aattcggcac gantccaggc gggcagcagc tgcaggct
250	W	"N" or "Xaa" used: Feature required	cccaggagcc ccaaaagcaa gaggaagggg caagggcg
251	W	"N" or "Xaa" used: Feature required	ctcaccaggt gccactggac ctggtgtcac ggntgaaa
252	W	"N" or "Xaa" used: Feature required	atgagaggaa catcgaggag atggtggccc agctgagg
253	W	"N" or "Xaa" used: Feature required	agaaagtttg angntcaact ttncaagctt ntgggtnt
254	W	"N" or "Xaa" used: Feature required	ttncntggng gttannagta tgaatncaag nancncan
255	W	"N" or "Xaa" used: Feature required	tcnggagnac gtntnncttn tttttttggn tnnttgaa
256	W	"N" or "Xaa" used: Feature required	ctagaattgn tnagggtg

<210> 11
<211> 126
<212> PRT
<213> Homo sapiens

<400> 11
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Met Asp Trp Pro His Asn Leu Leu Phe Leu Leu Thr Ile Ser Ile Phe
 1               5                  10                  15

Leu Gly Leu Gly Gln Pro Arg Ser Pro Lys Ser Lys Arg Lys Gly Gln
            20                  25                  30

Gly Arg Pro Gly Pro Leu Ala Pro Gly Pro His Gln Val Pro Leu Asp
            35                  40                  45

Leu Val Ser Arg Met Lys Pro Tyr Ala Arg Met Glu Glu Tyr Glu Arg
        50                  55                  60

Asn Ile Glu Glu Met Val Ala Gln Leu Arg Asn Ser Ser Glu Leu Ala
65                  70                  75                  80

Gln Arg Lys Cys Glu Val Asn Leu Gln Leu Trp Met Ser Asn Lys Arg
                85                  90                  95

Ser Leu Ser Pro Trp Gly Tyr Ser Ile Asn His Asp Pro Ser Arg Ile
                100                 105                 110

Pro Val Asp Leu Pro Glu His Gly Ala Cys Val Trp Ala Val
                115                 120                 125
```